LISTING OF THE CLAIMS

At the time of the Action:

Pending Claims: 1, 3- 4, 6-15, 17-23 and 25-27

Canceled Claims: 2, 5, 16, and 24

After this Response:

Pending Claims: 1, 3, 6-15, 17-23, 25, and 27

Amended Claims: 1, 8-15, and 23

Canceled Claims: 2, 4-5, 16, 24, and 26

1. (Currently Amended) A computer readable storage medium having computer-executable instructions, the instructions comprising:

receiving a string in an interactive environment, the string including a plurality of pipelined cmdlets;

identifying an attribution for each of the plurality of pipelined cmdlets within the string, each attribution to specify ~~that~~ a constraint for an associated construct;

identifying the associated construct ~~associated with~~ of each ~~the~~ attribution in the string;

saving information that correlates ~~the~~ each constraint ~~attribution~~ with its associated ~~the~~ construct as metadata that is associated with each construct; and

executing the string in the interactive environment, wherein executing the string includes: ~~using the saved information to apply the attribution to the construct when the construct is encountered during execution~~

executing a first cmdlet of the plurality of pipelined cmdlets by using metadata associated with a first construct to apply a first constraint to the first construct to produce output objects;

providing the output objects to a second cmdlet of the plurality of pipelined cmdlets as input for a second construct; and

executing the second cmdlet by using metadata associated with the second construct to apply a second constraint to the second construct.

2. (Canceled).

3. (Previously Presented) The computer readable storage medium of claim 1, wherein the construct comprises a variable, a structure, a function, or a script.

4. (Canceled).

5. (Canceled).

6. (Previously Presented) The computer readable storage medium of claim 1, wherein the string comprises a command string entered in a command line environment.

7. (Previously Presented) The computer readable storage medium of claim 1, wherein the string comprises a portion of a script.

8. (Currently Amended) The computer readable storage medium of claim 1, wherein identifying the attribution for each of the plurality of pipelined cmdlets comprises identifying a plurality of attributions associated with each ~~the~~ construct.

9. (Currently Amended) The computer readable storage medium of claim 1, wherein at least one of the identified ~~the~~ attributions specifies a type for its associated ~~the~~ construct.

10. (Currently Amended) The computer readable storage medium of claim 1, wherein at least one of the identified ~~the~~ attributions specifies applying intellisense to its associated ~~the~~ construct to auto-complete the construct.

11. (Currently Amended) The computer readable storage medium of claim 1, wherein at least one of the identified ~~the~~ attributions specifies applying a predicate directive to the string that is operative to determine whether processing of the string continues.

12. (Currently Amended) The computer readable storage medium of claim 1, wherein at least one of the identified ~~the~~ attributions specifies applying a parsing directive that is operative to direct a manner for obtaining the construct.

13. (Currently Amended) The computer readable storage medium of claim 1, wherein at least one of the identified ~~the~~ attributions specifies a data generation directive that is operative to generate a set of information that is stored in its associated ~~the~~ construct.

14. (Currently Amended) The computer readable storage medium of claim 1, wherein at least one of the identified ~~the~~ attributions specifies a data validation directive that is operative to determine whether a value assigned to its associated ~~the~~ construct meets a criterion specified by the at least one attribution.

15. (Currently Amended) A method for handling constraints specified within an interactive environment, the method comprising:

identifying a pre-defined begin symbol and end symbol within a script ~~string~~ entered in an interactive environment;

identifying a constraint between the begin symbol and the end symbol;

identifying a construct following the end symbol;

saving information that correlates the constraint with the construct as metadata that is associated with the construct; and

executing the string in the interactive environment, wherein executing the string includes:

using the saved information to apply the constraint to the construct when the construct is encountered during execution; and

processing one or more built-in capabilities that include control structures via cmdlets.

16. (Canceled).

17. (Previously Presented) The method of claim 15, wherein the constraint comprises a predicate directive and wherein to apply the constraint comprises determining whether a condition has been met before continuing processing of the construct.

18. (Previously Presented) The method of claim 15, wherein the attribution specifies applying intellisense to the construct to auto-complete the construct.

19. (Previously Presented) The method of claim 15, wherein the attribution specifies applying a parsing directive that is operative to direct a manner for obtaining the construct.

20. (Previously Presented) The method of claim 15, wherein the attribution specifies a data generation directive that is operative to generate a set of information that is stored in the construct.

21. (Previously Presented) The method of claim 15, wherein the attribution specifies a data validation directive that is operative to determine whether a value assigned to the construct meets a criterion specified by the attribution.

22. (Original) The method of claim 15, wherein the begin symbol comprises a left bracket and the end symbol comprises a right bracket.

23. (Currently Amended) A system that handles input parameters, the system comprising:

one or more processors~~means for processing~~; and

memory to store a plurality of computer-executable instructions for execution by the one or more processors, the computer-executable instructions, when execute, operable to:

~~means for receiving~~ receive a string into a command line interactive environment, the string including a plurality of pipelined cmdlets;

~~means for identifying~~ identify an attribution for each of the plurality of pipelined cmdlets within the string, each attribution to specify a constraint for an associated construct;

~~means for identifying~~ identify the associated ~~a~~ construct of each ~~associated with the~~ attribution in the string;

~~means for saving~~ save information that correlates ~~the~~ each constraint ~~attribution~~ with its associated ~~the~~ construct as metadata that is associated with each construct; and

~~means for~~ execute the string in the interactive environment, wherein the execution includes: ~~using the saved information to apply the attribution to the construct when the construct is encountered during an execution of the string in the command line interactive environment~~

executing a first cmdlet of the plurality of pipelined cmdlets by using metadata associated with a first construct to apply a first constraint to the first construct to produce output objects;

providing the output objects to a second cmdlet of the plurality of pipelined cmdlets as input for a second construct; and

executing the second cmdlet by using metadata associated with the second construct to apply a second constraint to the second construct.

24. (Canceled).

25. (Previously Presented) The system of claim 23, wherein the construct comprises a variable, a structure, a function, or a script.

26. (Canceled).

27. (Previously Presented) The system of claim 23, wherein the attribution specifies applying intellisense to the construct to auto-complete the construct.